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Claims

What is claimed is:

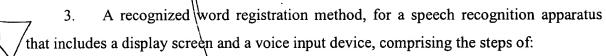
- A recognized word registration method, for a speech recognition apparatus that includes a display screen and a voice input device, comprising the steps of:
 - obtaining\a word inscription specified by a user; (a)
- (b) searching a\word dictionary to obtain a sounds-like spelling corresponding to said word inscription;
- searching a pronunciation dictionary to obtain a base form corresponding to said sounds-like spelling that has been obtained; and
 - registering said base form in a speech recognition dictionary. (d)
- 2. A recognized word registration method, for a speech recognition apparatus that includes a display screen and a voice input device, comprising the steps of:
 - obtaining a word inscription specified by a user; (a)
- searching a word dictionary to obtain a plurality of sounds-like spellings that correspond to said word inscription and sounds-like spelling scores that correspond to said sounds-like spellings;
 - displaying said plurality of sounds-like spellings for said user;
- obtaining said sounds-like spelling that is selected by said user from among said plurality of sounds-like spellings;
- searching a pronunciation dictionary to obtain a base form and a pronunciation score corresponding to said sounds-like spelling that has been obtained;
- determining whether said pronunciation score exceeds a predetermined (f) threshold value; and
- registering said base form in a speech recognition dictionary when said pronunciation score exceeds said predetermined threshold value.

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- (a) determining whether first voice information obtained for a user's voice matches a predetermined condition;
- (b) displaying on said display screen, when said voice information matches said predetermined condition, a speech recognition wizard panel that includes a new word input field and a sounds-like spelling input field;
- (c) obtaining a new word and a sounds-like spelling that are entered in said speech recognition wizard panel;
- (d) obtaining second voice information based on said user's pronunciation provided for said new word and said sounds-like spelling;
- (e) employing said second voice information, said new word and said sounds-like spelling to specifically describe a base form; and
 - (f) adding said base form to a speech recognition dictionary.
- 4. A recognized word registration method, for a speech recognition apparatus that includes a display screen and a voice input device, comprising:

an initial registration step, including

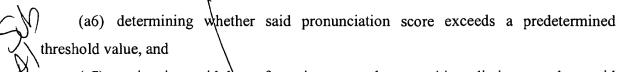
- (a1) obtaining a word inscription specified by a user,
- (a2) searching a word dictionary to obtain a plurality of sounds-like spellings that correspond to said word inscription and sounds-like spelling scores that correspond to said sounds-like spellings,
 - (a3) displaying said plurality of sounds-like spellings for said user,
- (a4) obtaining said sounds-like spelling that is selected by said user from among said plurality of sounds-like spellings,
- (a5) searching a pronunciation dictionary to obtain a base form and a pronunciation score corresponding to said sounds-like spelling that has been obtained,

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(a7) registering said base form in a speech recognition dictionary when said pronunciation score exceeds said predetermined threshold value; and

a registration step at the speech recognition time, including

- (b1) determining whether \first voice information obtained for a user's voice matches a predetermined condition,
- (b2) displaying on said display screen, when said voice information matches said predetermined condition, a speech recognition wizard panel that includes a new word input field and a sounds-like spelling ihput field,
- (b3) obtaining a new word and a sounds-like spelling that are entered in said speech recognition wizard pânel,
- (b4) obtaining second voice information based on said user's pronunciation provided for said new word and said sounds-like spelling,
- (b5) employing said second voice information, said new word and said sounds-like spelling to specifically describe a\second base form, and
 - (b6) adding said second base form to a speech recognition dictionary.
- A speech recognition apparatus, which includes a display screen and a voice 5. input device, comprising:
- a recognized word registration unit for obtaining a word inscription specified by a user;
- a sounds-like spelling generator for searching a word dictionary to obtain a (b) sounds-like spelling corresponding to said word inscription;
- a base form generator for searching a profunciation dictionary to obtain a base form corresponding to said sounds-like spelling that has been obtained; and
 - a speech recognition dictionary in which said base form is registered. (d)

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- 6. A speech recognition apparatus, which includes a display screen and a voice input device, comprising:
 - (a) a recognized word registration unit for obtaining a word inscription specified by a user;
 - (b) a sounds-like spelling generator for searching a word dictionary to obtain a plurality of sounds-like spellings that correspond to said word inscription and sounds-like spelling scores that correspond to said sounds-like spellings, and for obtaining said sounds-like spelling that is selected by said user from among said plurality of sounds-like spellings on said display screen;
 - (c) a base form generator for searching a pronunciation dictionary to obtain a base form and a pronunciation score corresponding to said sounds-like spelling that has been obtained; and
 - (d) a speech recognition dictionary in which said base form is registered when said pronunciation score exceeds a predetermined threshold value.
 - 7. A speech recognition apparatus, which includes a display screen and a voice input device, comprising:
 - (a) a recognized word registration unit for determining whether first voice information obtained for a user's voice matches a predetermined condition;
 - (b) a speech recognition wizard for displaying on said display screen, when said voice information matches said predetermined condition, a speech recognition wizard panel that includes a new word input field and a sounds-like spelling input field;
 - (c) a voice input unit for obtaining second voice information based on said user's pronunciation provided for a new word and a sounds-like spelling that are entered in said speech recognition wizard panel;
 - (d) a base form generator for employing said second voice information, said new word and said sounds-like spelling to specifically describe a base form; and
 - (e) a speech recognition dictionary to which said base form is added.

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- 8. A speech recognition apparatus comprising:
- (a) a display screen;
- (b) a voice input unit for entering voice information generated by a user's voice;
- (c) a speech recognition engine for recognizing said voice information;
- (d) a recognized word registration unit for obtaining a word inscription specified by a user;
- (e) a sounds-like spelling generator for searching a word dictionary to obtain a plurality of sounds-like spellings that correspond to said word inscription and sounds-like spelling scores that correspond to said sounds-like spellings, and for, when one of said plurality of sounds-like spellings is selected by said user, obtaining said sounds-like spelling that is selected;
- (f) a base form generator for searching a pronunciation dictionary to obtain a base form and a pronunciation score corresponding to said sounds-like spelling that has been obtained; and
- (g) a speech recognition dictionary in which a base form is registered when said pronunciation score exceeds said predetermined threshold value,
- (c2) wherein said speech recognition engine determines whether first voice information obtained for a user's voice matches a predetermined condition, and activates, when said voice information matches said predetermined condition, a speech recognition wizard panel that includes a new word input field and a sounds-like spelling input field,
- (d2) wherein said sounds-like spelling generator obtains second voice information based on said user's pronunctation provided for a new word and a sounds-like spelling that are entered in said speech recognition wizard panel;
- (e2) wherein said base form generator employs said second voice information, said new word and said sounds-like spelling to specifically describe a second base form; and

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- (f2) wherein said second base form is stored in said speech recognition
- 9. A storage medium on which is stored a recognized word registration program that is to be executed by a speech recognition apparatus that includes a display screen and a voice input device, said recognized word registration program comprising:
- (a) program code for instructing said speech recognition apparatus to obtain a word inscription specified by a user;
- (b) program code for instructing said speech recognition apparatus to search a word dictionary to obtain a sounds-like spelling corresponding to said word inscription;
- (c) program code for instructing said speech recognition apparatus to search a pronunciation dictionary to obtain a base form corresponding to said sounds-like spelling that has been obtained; and
- (d) program code for instructing said speech recognition apparatus to register said base form in a speech recognition dictionary.
- 10. A storage medium on which is stored a recognized word registration program that is to be executed by a speech recognition apparatus that includes a display screen and a voice input device, said recognized word registration program comprising:
- (a) program code for instructing said speech recognition apparatus to obtain a word inscription specified by a user;
- (b) program code for instructing said speech recognition apparatus to search a word dictionary to obtain a plurality of sounds-like spellings that correspond to said word inscription and sounds-like spelling scores that correspond to said sounds-like spellings;
- (c) program code for instructing said speech recognition apparatus to display said plurality of sounds-like spellings for said user;

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- (d) program code for instructing said speech recognition apparatus to obtain said sounds-like spelling that is selected by said user from among said plurality of sounds-like spellings;
 - (e) program code for instructing said speech recognition apparatus to search a pronunciation dictionary to obtain a base form and a pronunciation score corresponding to said sounds-like spelling that has been obtained;
 - (f) program code for instructing said speech recognition apparatus to determine whether said pronunciation score exceeds a predetermined threshold value; and
 - (g) program code for instructing said speech recognition apparatus to register said base form in a speech recognition dictionary when said pronunciation score exceeds said predetermined threshold value.
 - 11. A storage medium on which is stored a speech recognition process program that is to be executed by a speech recognition apparatus that includes a display screen and a voice input device, said speech recognition process program comprising:
 - (a) program code for instructing said speech recognition apparatus to determine whether first voice information obtained for a user's voice matches a predetermined condition;
 - (b) program code for instructing said speech recognition apparatus to display on said display screen, when said voice information matches said predetermined condition, a speech recognition wizard panel that includes a new word input field and a sounds-like spelling input field;
 - (c) program code for instructing said speech recognition apparatus to obtain a new word and a sounds-like spelling that are entered in said speech recognition wizard panel;
 - (d) program code for instructing said speech recognition apparatus to obtain second voice information based on said user's pronunciation provided for said new word and said sounds-like spelling;

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- program code for instructing said speech recognition apparatus to employ said second voice information, said new word and said sounds-like spelling to specifically describe a base form; and
 - program code for instructing said speech recognition apparatus to add said base form to a speech recognition dictionary.
 - 12. A storage medium on which is stored a speech recognition process program that is to be executed by a speech recognition apparatus that includes a display screen and a voice input device, said speech recognition process program comprising:
 - program code for instructing said speech recognition apparatus to obtain a word inscription specified by a user;
 - program code for instructing said speech recognition apparatus to search a word dictionary to obtain a plurality of sounds-like spellings that correspond to said word inscription and sounds-like spelling scores that correspond to said sounds-like spellings;
 - program code for instructing said speech recognition apparatus to display said plurality of sounds-like spellings for said user;
 - program code for instructing said speech recognition apparatus to obtain said sounds-like spelling that is selected by said user from among said plurality of sounds-like spellings;
 - program code for instructing said speech recognition apparatus to search a pronunciation dictionary to obtain a base form and a pronunciation score corresponding to said sounds-like spelling that has been obtained;
 - (f) program code for instructing said speech recognition apparatus to determine whether said pronunciation score exceeds a predetermined threshold value;
- program code for instructing said speech recognition apparatus to register (g) 25 said base form in a speech recognition dictionary when said pronunciation score exceeds said predetermined threshold value;

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program code for instructing said speech recognition apparatus to determine Whether first voice information obtained for a user's voice matches a predetermined condition;

- program code for instructing said speech recognition apparatus to display on (i) said display screen, when said voice information matches said predetermined condition, a speech recognition wizard panel that includes a new word input field and a sounds-like spelling input field;
- program/code for instructing said speech recognition apparatus to obtain a (j) new word and a sounds-like spelling that are entered in said speech recognition wizard panel;
- program code for instructing said speech recognition apparatus to obtain second voice information based on said user's pronunciation provided for said new word and said sounds-like spelling;
- program code for instructing said speech recognition apparatus to employ (1) said second voice information, said new word and said sounds-like spelling to specifically describe a second base form; and
- (m) program code for instructing said speech recognition apparatus to add said second base form to a speech recognition dictionary.